

ABSTRACT OF DISCLOSURE

A fuel cell separator which has a metal substrate and offers a high corrosion resistance and conductivity is provided.

5 The separator has a metal layer on the surface of the substrate made of stainless steel, and a conductive layer on top of the metal layer. The conductive layer is made up of conductive particles which are fusion-bonded to each other and exhibit excellent conductivity. The separator also has a highly 10 corrosion-resisting oxide layer which covers exposed parts of the metal layer, the parts where the metal layer is not covered with the conductive particles. This enables the fuel cell separator to assume high conductivity at an interface between the metal layer and the conductive particles, and high corrosion 15 resistance at the exposed parts of the surface of the metal layer.